

# Nebraska Pea Variety Test - 2016: Cheyenne Co. Rainfed

Planting Date: April 13, 2016

Harvest Date: July 22, 2016

Brand	Variety	Yield rank	Yield (lbs/a)	Yield (*bu/a)	test weight (lbs/bu)	1000 seeds weight (g)	Seeds/ lb	Seed Protein (%)	Flowering start (DAP**)	Flowering end (DAP)	Flowering period (days)	Physiological maturity (DAP)	Plant height at harvest (inch)	Lodging %
Great Northern	Bridger	1	2098	35	61	218	2081	23	63	73	10	94	14	60
Pulse USA	Durwood	2	1672	28	61	223	2032	24	64	72	8	88	17	39
Meridian	Jetset	3	1630	27	61	232	1955	23	64	71	7	88	16	38
Pulse USA	Mystique	4	1548	26	60	234	1943	24	65	75	9	86	14	58
Great Northern	Spider	5	1499	25	61	226	2007	24	65	73	7	86	15	50
Great Northern	Salamanca	6	1469	24	61	229	1985	23	64	70	6	93	18	43
Meridian	CDC Amarillo	7	1456	24	61	227	2000	24	68	73	5	84	17	31
Legume Logic	Hyline	8	1451	24	61	218	2086	23	64	72	8	88	15	40
Pulse USA	Abarth	9	1437	24	59	246	1842	23	63	72	9	91	17	53
Great Northern	Navarro	10	1414	24	61	243	1867	23	60	73	13	88	12	78
Meridian	AAC Carver	11	1359	23	62	224	2025	23	66	74	8	87	17	38
Pulse USA	SW Midas	12	1346	22	59	213	2130	22	65	74	8	88	16	58
Meridian	AC Earlystar	13	1332	22	61	212	2140	22	64	73	9	91	13	55
Pulse USA	Nette 2010	14	1281	21	62	224	2023	23	61	70	9	93	12	53
Pulse USA	Korando	15	1215	20	60	238	1908	24	61	72	11	94	14	58
Meridian	CDC Saffron	16	1093	18	61	220	2067	23	65	71	6	91	13	70
Pulse USA	DS-Admiral	17	954	16	61	232	1959	23	65	72	7	88	17	16
<b>Average of all entries</b>			<b>1426</b>	<b>24</b>	<b>60</b>	<b>227</b>	<b>1998</b>	<b>23</b>	<b>64</b>	<b>72</b>	<b>8</b>	<b>89</b>	<b>15</b>	<b>49</b>
<b>Difference required for significance at 5%</b>			<b>596</b>	<b>10</b>	<b>1</b>	<b>9</b>	<b>72</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>30</b>

\*1 bu = 60 lbs

\*\*DAP = Days After Planting

## Trial summary:

- 1 Trial location: UNL's High Plains Ag. Lab (near Sidney, NE) in Cheyenne Co.
- 2 Trial was planted on no-till ground on proso millet stubble
- 3 Herbicide: 1.5 oz/ac optill 24 oz roundup pre plant
- 4 Seeding rate: 350,000 live seeds/acre
- 5 Seeds were inoculated with granular pea inoculum at the time of planting
- 6 Plot: 5 ft x 25 ft with 10" inches row-spacing
- 7 Total precipitation during the growing period: 5.81 inches
- 8 Post-planting spray (e.g. herbicides, fungicides): None
- 9 Yield loss (10-15%) and significant lodging were from planter plugging on 3 of 6 rows and winds at time of maturity